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4, 7TH MAIN MALLESWARAM, BANGALORE -3

CP/TF/01

TEST RESULTS OF STEEL

Lab ID	:	**CP-2017-09-13-04** **Date: 14-09-17**
Customer	:	Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.
Address	:	Project Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Hospital Building in Ward No.02
Agency	:	Sri.K.Gopireddy, #3, 1st cross, 1st main, Ramachandrappa Layout, Veerannapalya, Arabic College Post, Bangalore-560 045.
Customer's Reference	:	EE(Project)/Ynk Zone/WO/56/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	13-09-17
Sample ID No	:	2017-09-13-04-02
Sample Type	:	JSW
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test:	:	13-09-17

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	JSW	Fe500	8	0.392	542	672	20.0%	Satisfactory	Satisfactory
2	JSW	Fe500	10	0.612	568	685	20.0%	Satisfactory	Satisfactory
3	JSW	Fe500	12	0.888	585	692	19.0%	Satisfactory	Satisfactory
4	JSW	Fe500	16	1.580	590	696	19.5%	Satisfactory	Satisfactory
5	JSW	Fe500	20	2.470	596	699	18.0%	Satisfactory	Satisfactory

Note:
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CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-09-23-07** **Date: 25/09/2017**

Customer : Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Construction of Hospital Building in Ward No.02

Agency : Sri.K.Gopireddy, #3, 1st cross, 1st main, Ramachandrappa Layout, Veerannapalya, Arabic College Post, Bangalore-560 045.

Customer's Reference : EE(Project)/Ynk Zone/WO/56/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 23-09-17

Sample ID No : 2017-09-23-07/01

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 25/09/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M20	18/09/2017	25/09/2017	150.14 X 150.24 X 150.47	22557	8.174	394.7	17.5	17.4
2	PCC	M20	18/09/2017	25/09/2017	150.11 X 150.98 X 150.44	22664	8.176	403.4	17.8	
3	PCC	M20	18/09/2017	25/09/2017	150.37 X 150.04 X 150.56	22562	8.142	381.3	16.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-09-23-07** **Date: 16/10/2017**

Customer : Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Construction of Hospital Building in Ward No.02

Agency : Sri.K.Gopireddy, #3, 1st cross, 1st main, Ramachandrappa Layout, Veerannapalya, Arabic College Post, Bangalore-560 045.

Customer's Reference : EE(Project)/Ynk Zone/WO/56/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 23-09-17

Sample ID No : 2017-09-23-07/02

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 16/10/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M20	18/09/2017	16/10/2017	150.54 X 150.43 X 150.66	22646	8.165	507.3	22.4	22.4
2	PCC	M20	18/09/2017	16/10/2017	149.65 X 150.11 X 150.65	22464	8.153	518.9	23.1	
3	PCC	M20	18/09/2017	16/10/2017	149.65 X 150.65 X 150.54	22545	8.165	491.5	21.8	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-09-26-07** **Date: 27/09/2017**

Customer : Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Construction of Hospital Building in Ward No.02

Agency : Sri.K.Gopireddy, #3, 1st cross, 1st main, Ramachandrappa Layout, Veerannapalya, Arabic College Post, Bangalore-560 045.

Customer's Reference : EE(Project)/Ynk Zone/WO/56/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 26-09-17

Sample ID No : 2017-09-26-07/01

Customer ID : M20 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 27/09/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	20/09/2017	27/09/2017	150.15 X 150.47 X 150.98	22593	8.174	399.9	17.7	17.1
2	M20 Concrete	M20	20/09/2017	27/09/2017	150.44 X 150.78 X 150.77	22683	8.174	374.3	16.5	
3	M20 Concrete	M20	20/09/2017	27/09/2017	150.64 X 150.88 X 150.75	22729	8.125	390.9	17.2	

Note:

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-09-26-07** **Date: 18/10/2017**

Customer : Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Construction of Hospital Building in Ward No.02

Agency : Sri.K.Gopireddy, #3, 1st cross, 1st main, Ramachandrappa Layout, Veerannapalya, Arabic College Post, Bangalore-560 045.

Customer's Reference : EE(Project)/Ynk Zone/WO/56/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 26-09-17

Sample ID No : 2017-09-26-07/02

Customer ID : M20 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 18/10/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	20/09/2017	18/10/2017	150.88 X 150.64 X 150.88	22729	8.174	525.0	23.1	22.6
2	M20 Concrete	M20	20/09/2017	18/10/2017	150.47 X 150.66 X 150.64	22670	8.155	503.3	22.2	
3	M20 Concrete	M20	20/09/2017	18/10/2017	149.78 X 150.61 X 150.65	22558	8.179	507.6	22.5	

Note:

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CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-09-28-11** **Date: 03/10/2017**

Customer : Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Construction of Hospital Building in Ward No.02

Agency : Sri.K.Gopireddy, #3, 1st cross, 1st main, Ramachandrappa Layout, Veerannapalya, Arabic College Post, Bangalore-560 045.

Customer's Reference : EE(Project)/Ynk Zone/WO/56/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 28-09-17

Sample ID No : 2017-09-28-11/01

Customer ID : M25 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 03/10/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M25 Concrete	M25	26/09/2017	03/10/2017	150.82 X 150.51 X 150.19	22700	8.132	406.3	17.9	18.4
2	M25 Concrete	M25	26/09/2017	03/10/2017	151.04 X 150.23 X 150.11	22691	8.164	419.8	18.5	
3	M25 Concrete	M25	26/09/2017	03/10/2017	151.92 X 150.16 X 150.72	22812	8.206	426.6	18.7	

Note:

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 24/10/2017

Lab ID	:	**CP-2017-09-28-11**
Customer	:	Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.
Address	:	Project Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Hospital Building in Ward No.02
Agency	:	Sri.K.Gopireddy, #3, 1st cross, 1st main, Ramachandrappa Layout, Veerannapalya, Arabic College Post, Bangalore-560 045.
Customer's Reference	:	EE(Project)/Ynk Zone/WO/56/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-09-17
Sample ID No	:	2017-09-28-11/02
Customer ID	:	M25 Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	24/10/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M25 Concrete	M25	26/09/2017	24/10/2017	150.23 X 150.14 X 150.26	22556	8.230	593.2	26.3	26.6
2	M25 Concrete	M25	26/09/2017	24/10/2017	150.46 X 150.29 X 150.87	22613	8.220	612.8	27.1	
3	M25 Concrete	M25	26/09/2017	24/10/2017	150.19 X 150.10 X 150.32	22544	8.230	597.4	26.5	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-10-10-03** **Date: 12/10/2017**

Customer : Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Construction of Hospital Building in Ward No.02

Agency : Sri.K.Gopireddy, #3, 1st cross, 1st main, Ramachandrappa Layout, Veerannapalya, Arabic College Post, Bangalore-560 045.

Customer's Reference : EE(Project)/Ynk Zone/WO/56/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 10-10-17

Sample ID No : 2017-10-10-03/01

Customer ID : M20 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 12/10/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	05/10/2017	12/10/2017	150.44 X 150.74 X 150.67	22677	8.155	378.7	16.7	17.1
2	M20 Concrete	M20	05/10/2017	12/10/2017	150.65 X 149.87 X 150.72	22578	8.145	390.6	17.3	
3	M20 Concrete	M20	05/10/2017	12/10/2017	150.47 X 150.91 X 150.87	22707	8.175	390.6	17.2	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-10-10-03** **Date: 02/11/2017**

Customer : Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Construction of Hospital Building in Ward No.02

Agency : Sri.K.Gopireddy, #3, 1st cross, 1st main, Ramachandrappa Layout, Veerannapalya, Arabic College Post, Bangalore-560 045.

Customer's Reference : EE(Project)/Ynk Zone/WO/56/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 10-10-17

Sample ID No : 2017-10-10-03/02

Customer ID : M20 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 02/11/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	05/10/2017	02/11/2017	150.44 X 150.24 X 150.47	22602	8.174	485.9	21.5	21.4
2	M20 Concrete	M20	05/10/2017	02/11/2017	150.11 X 150.98 X 150.44	22664	8.176	471.4	20.8	
3	M20 Concrete	M20	05/10/2017	02/11/2017	150.77 X 150.44 X 150.56	22682	8.142	496.7	21.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-10-21-05** **Date: 23/10/2017**

Customer : Assistant Executive Engineer, Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Construction of Hospital Building in Ward No.02

Agency : Sri.K.Gopireddy, #3, 1st cross, 1st main, Ramachandrappa Layout, Veerannapalya, Arabic College Post, Bangalore-560 045.

Customer's Reference : EE(Project)/Ynk Zone/WO/56/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 21-10-17

Sample ID No : 2017-10-21-05/01

Customer ID : M20 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/10/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	16/10/2017	23/10/2017	150.72 X 150.17 X 150.22	22634	8.155	393.8	17.4	
2	M20 Concrete	M20	16/10/2017	23/10/2017	150.28 X 150.87 X 150.11	22673	8.298	380.9	16.8	17.1
3	M20 Concrete	M20	16/10/2017	23/10/2017	150.16 X 150.18 X 150.29	22551	8.267	387.9	17.2	

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